



Data sheet

Hydraulic data

Maximum operating pressure P_N	10 bar
Head max H_{max}	12,1 m
Flow max Q_{max}	11,8 m³/h
Minimum suction head at 50 °C m	3 m
Minimum suction head at 95 °C m	10 m
Minimum suction head at 110 °C	16 m
Min. fluid temperature T_{min}	-20 °C
Max. fluid temperature T_{max}	110 °C
Min. ambient temperature T_{min}	-20 °C
Max. ambient temperature T_{max}	40 °C

Motor data

Energy efficiency index (EEI) *	≤0,20
Mains connection	1~230 V ±10%, 50/60 Hz
Min current I_{min}	0,15 A
Max current I_{max}	1,33 A
Rated power P_2	230 W
Min. speed n_{min}	1000 1/min
Max. speed n_{max}	4800 1/min
Power consumption $P_{1 min}$	10 W
Power consumption $P_{1 max}$	305 W
Emitted interference	EN 61800-3;2004+A1;2012 /residential area (C1)
Interference resistance	EN 61800-3;2004+A1;2012 /industrial environment (C2)
Threaded cable connection	2 x M20x1.5
Insulation class	F
Protection class	IPX4D

* The benchmark for the most efficient circulators is EEI ≤ 0.20

Materials

Pump housing	Grey cast iron
Impeller	PPE/PS-GF30
Shaft	Stainless steel
Bearing	Carbon-graphite

Installation dimensions

Pipe connection on the discharge side <i>DNd</i>	G 2
Pipe connection on the suction side <i>DNs</i>	G 2
Port-to-port length <i>L0</i>	180 mm

Equipment/function

Function

Control mode	Δp -v for variable differential pressure
	Δp -c for constant differential pressure
	Constant speed (3 speed stages)
Multi pump operation	Main/Standby (with Connect Module Yonos MAXO)
Display	Setpoint
	Fault signals (error codes)

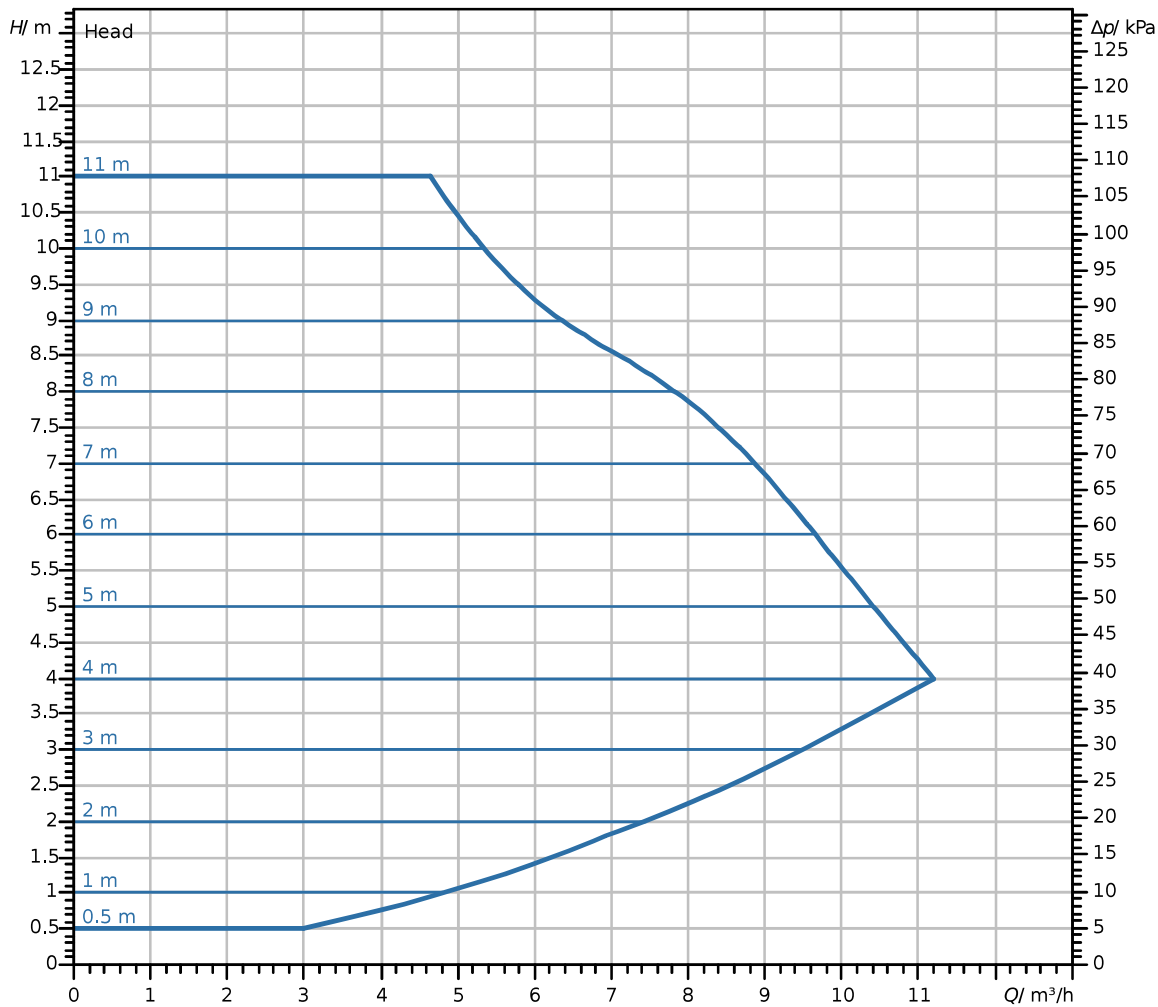
Equipment

Approvals and labels	CE
	VDE
	EAC
Display	LED segment display
Display information	Basic Version: LED display (small) for showing the set head or speed stage.
Pump control	Electronic-controlled pump
Quick electrical connection	Wilo plug
Thermal insulation shell	As accessory
Blocking-current proof motor	yes
Particle filter	yes

Connectivity

Digital input	Ext. OFF (via accessories Wilo-Connect module Yonos MAXO)
Digital output	SSM
	SSM/SBM (via accessories Connect module Yonos MAXO)

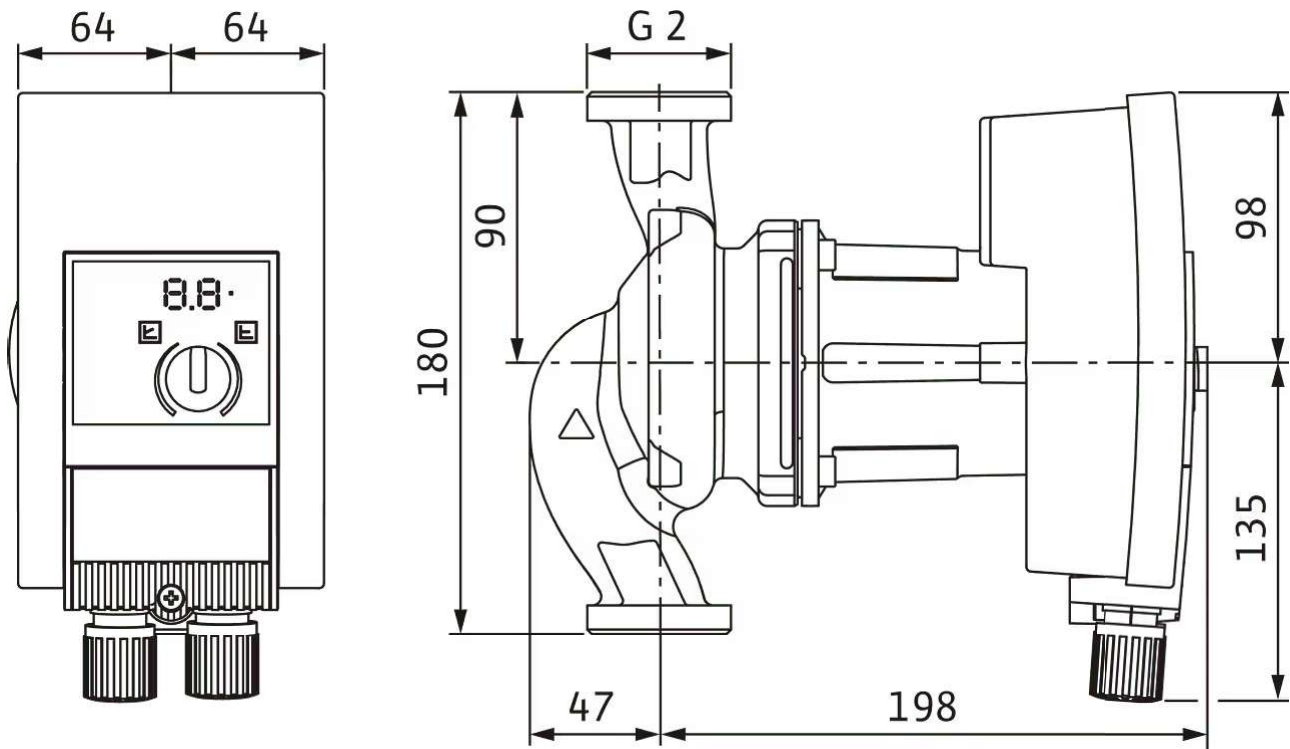
Pump curves



Fluid media	Water 100 %
Fluid temperature	20.00 °C
speed at duty point	4,336 1/min

Dimensions and dimensions drawings

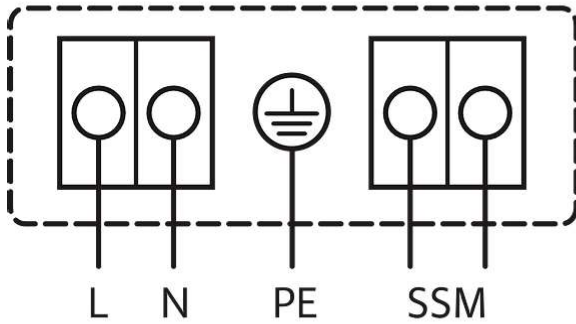
Yonos MAXO



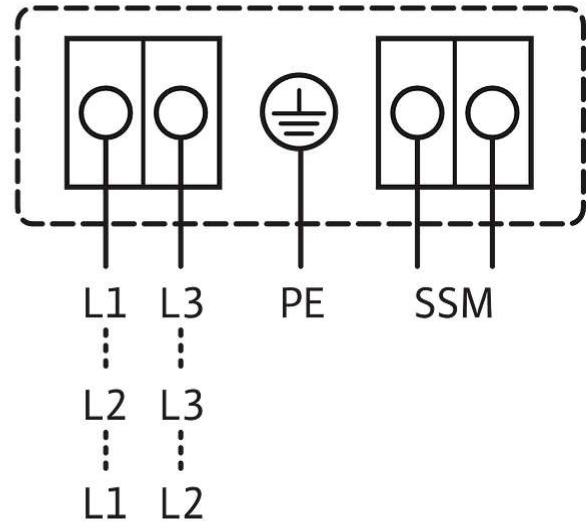
Wiring diagram

1~230V, 50/60 Hz

1~ 230 V, 50/60 Hz



3~230 V, 50/60 Hz



Collective fault signal

SSM: (NC contact in accordance with VDI 3814, load capacity 1 A, 250 V ~)

Standard: 1~230 V, 50/60 Hz

Option: 3~230 V, 50/60 Hz

Tender text

High efficiency pump Wilo-Yonos MAXO

electronically controlled,

Glandless circulator, synchronous motor according to ECM technology and integrated power control for continuous differential pressure control. Can be used for all heating, ventilation and air-conditioning applications.

Standard-equipped with:

- > Preselectable control modes for optimum load adjustment: Δp -c (differential pressure constant), Δp -v (differential pressure variable)
- > 3 speed stages (n = constant)
- > LED for setting the setpoint and displaying error messages
- > Electrical connection with the Wilo plug
- > Fault lamp and contact for collective fault signal

For flange-end pumps - flange versions:

- > Standard version for pumps DN 32 to DN 65:
PN 6/10 combination flange (PN 16 flange according to EN 1092-2) for PN 6 and PN 16 counter flanges
- > Standard version for DN 80/DN 100 pumps: PN 6 flange (designed for PN 16 according to EN 1092-2) for PN 6 counter flange

Operating data

Min. fluid temperature $T_{\min}$	-20 °C
Max. fluid temperature $T_{\max}$	110 °C
Min. ambient temperature $T_{\min}$	-20 °C
Max. ambient temperature $T_{\max}$	40 °C
Maximum operating pressure PN	10 bar
Minimum suction head at 50 °C m	3 m
Minimum suction head at 95 °C m	10 m
Minimum suction head at 110 °C	16 m

Motor data

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Max current $I_{\max}$	1,33 A
Rated power P_2	230 W
Min. speed $n_{\min}$	1000 1/min
Max. speed $n_{\max}$	4800 1/min
Power consumption $P_{1 \min}$	10 W
Power consumption $P_{1 \max}$	305 W
Emitted interference	EN 61800-3;2004+A1;2012 /residential area (C1)
Interference resistance	EN 61800-3;2004+A1;2012 /industrial environment (C2)
Insulation class	F
Protection class	IPX4D
Threaded cable connection	2 x M20x1.5

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Materials

Pump housing	Grey cast iron
Impeller	PPE/PS-GF30
Shaft	Stainless steel
Bearing	Carbon-graphite

Ordering information

Brand	Wilo
Product description	Yonos MAXO 30/0,5-12 PN 10
Net weight, approx. <i>m</i>	5,4 kg
Article number	2120644 

Installation dimensions

Pipe connection on the suction side <i>DN_s</i>	G 2
Pipe connection on the discharge side <i>DN_d</i>	G 2
Port-to-port length <i>L₀</i>	180 mm